



### **Mihail C. Roco**

National Science Foundation and National Nanotechnology Initiative

Mike Roco is the Senior Advisor for Science and Engineering at the National Science Foundation and founding chair of the U.S. National Science and Technology Council's subcommittee on Nanoscale Science, Engineering and Technology (NSET). Prior to joining National Science Foundation, he was professor of mechanical and chemical engineering. Dr. Roco is credited with thirteen inventions, contributed over two hundred articles and twenty books with new contributions on mass transfer, multiphase systems, numerical methods, laser measurements, nanoscience, nanotechnology, convergence science, emerging technologies, and societal implications. He proposed the U.S. National Nanotechnology Initiative (NNI) in 1999 at the White House and is a key architect of the initiative. He pioneered convergence science and its application to emerging technologies, including the volume "Converging technologies for improving human performance (2002)". He was elected as the Engineer of the Year by the U.S. National Society of Professional Engineers and NSF in 1999 and again in 2004. Dr. Roco is Member of the European Academy of Sciences and Arts, Member of the Swiss Academy of Engineering Sciences, Honorary Member of the Romanian Academy, and Fellow of ASME, Institute of Physics, AIChE and IAAM. Dr. Roco is editor-in-chief for the Journal of Nanoparticle Research. He was awarded the *U.S. National Materials Advancement Award* in 2007 "as the individual most responsible for support and investment in nanotechnology by government, industry, and academia worldwide", and received the IUMRS "*Global Leadership and Service Award*" at the EU Parliament in 2015 for "vision and dedicated leadership ...that has made major impact to all citizens around the world."